



October 11, 2023

District Supervisor
Oil Conservation Division, District 1
1625 North French Drive
Hobbs, New Mexico 88240

**Re: Release Characterization and Remediation Work Plan
ConocoPhillips
Wilder CTB Vessel Release
Unit Letter A, Section 29, Township 26 South, and Range 32 East
Lea County, New Mexico
Incident ID NAPP2317132356**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (COP) to assess a release that occurred from a vessel associated with the Wilder Central Tank Battery (CTB). The release footprint is located in Public Land Survey System (PLSS) Unit Letters A, Section 29, Township 26 South, and Range 32 East, Lea County, New Mexico (Site). The release site coordinates are 32.0200°, -103.6894°. The Site location is shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Form C-141 Initial Report (Appendix A), the release was discovered on June 11, 2023. The release was reported as the result of a weld failure on the "gas buster" due to equipment failure. A "gas buster" is a simple separator vessel used to remove free or entrained gas from fluids. The gas buster typically comprises a vessel containing a series of baffles with a liquid exit on the bottom and a gas-vent line at the top of the vessel. 19.22 barrels (bbls) of produced water were reported released, of which 15 bbls were recovered. The spill calculator included with the Form C-141 indicates the release area to be 4,114 square feet. The New Mexico Oil Conservation District (NMOCD) received the initial Form C-141 report form for the release on June 21, 2023. The NMOCD Incident ID for this release is NAPP2317132356.

On behalf of ConocoPhillips, Tetra Tech requested a 90-day extension on September 7, 2023 to complete assessment and associated reporting for the Release site. The extension request was approved the following day. A copy of the regulatory correspondence is included in Appendix B.

SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, stream bodies, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). The Site is in an area of medium karst potential.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no wells within ½ mile (800 meters) of the Site with available water level data. The search radius was expanded and based on available data from three (3) water wells located with 950 meters (approximately 0.59 miles) of the Site, the average depth to groundwater is 278 ft below ground surface (bgs) with a minimum depth to groundwater of 180 feet bgs. The site characterization data is included as Appendix C.

Tetra Tech

901 West Wall St., Suite 100, Midland, TX 79701

Tel 432.682.4559

Fax 432.682.3946

www.tetrattech.com

LAND OWNERSHIP

The Site is located on land owned by the Bureau of Land Management (BLM). The release footprint is wholly contained within developed on-pad areas. Following a historical release in the pasture area just west of the battery (NAPP230034271), a cultural survey of the surrounding vicinity was conducted by Goshawk Environmental Consulting. The area was negative for cultural resources. The BLM cleared the NAPP230034271 incident footprint (off-pad areas) for remediation activities following a review of the survey. This Work Plan will be provided to the BLM for review and approval prior to conducting remedial action.

REGULATORY FRAMEWORK

Based upon the release footprint location (on-pad and in areas immediately under or around production equipment) and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used in attempt to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Constituent	Site RRALs
Chloride	20,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
GRO+DRO	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

SITE VISIT SUMMARY

A Tetra Tech geologist was onsite July 27, 2023, to assess current site conditions and take photographs of the impacted area. Visibly impacted areas were observed within the southwestern portion of the tank battery containment, extending north and east within the tank battery itself. This observed impacted area totaled approximately 4,620 square feet. Photographic documentation of site conditions during the site visit and COP-provided photographs are included in Appendix D.

SITE ASSESSMENT AND SAMPLING RESULTS

Tetra Tech personnel were onsite to delineate and sample the release area and the surrounding vicinity in September 2023. Soil samples were collected from seven (7) locations within and around the release to evaluate the vertical and horizontal extent of the release. AH-1 and AH-2 were installed via hand auger to depths of 4 feet bgs and 2 feet bgs, respectively. Trenches T-1 through T-4 were installed around the perimeter of the release footprint to depths of 2 feet bgs. Trench T-5 was installed within the release footprint to a depth of 11 feet bgs. The boring locations and trench locations are shown on Figure 3.

A total of eighteen (18) samples were collected from the sample locations and transferred under chain of custody and analyzed within appropriate holding times by Cardinal Laboratories (Cardinal). The soil samples were analyzed for TPH via Method 8015 Modified, chloride via Method SM4500Cl-B, and BTEX via Method 8021B. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix E.

Results from the September 2023 soil sampling events are summarized in Table 1. Analytical results associated with T-5 and AH-1 were above RRALs for TPH in the 0-1' depth interval. All other analytical results were below RRALs. Vertical delineation was achieved at the T-5 location. Horizontal delineation was achieved at T-1 through T-4.

REMEDIATION WORK PLAN

Based on the analytical results from the assessment, impacted material within the release extent is proposed to be removed to depths indicated in Figure 4. Impacted soils will be excavated to a maximum depth of 1.5 feet below the surrounding surface or until a representative sample from the walls and bottom

of the excavation is below the Site RRALs. Heavy equipment (backhoe and trackhoe) will be utilized to excavate areas outside the immediate vicinity of pressurized lines and will come no more than 4 feet from any pressurized lines or energized lines. Impacted soils within the vicinity of the surface and subsurface lines will be removed to the maximum extent practicable using non-aggressive excavation methods. Due to safety concerns associated with personnel working near energized lines, impacted soil within 4 feet of subsurface electrical lines will be left in place.

Excavated soils will be transported offsite and disposed of at an NMOCD-approved or permitted facility. Confirmation bottom and sidewall samples will be collected for verification of remedial activities, and analyzed for TPH, BTEX, and chlorides. In accordance with Subsection D of 19.15.29.12 NMAC, the responsible party will notify the appropriate division district office prior to conducting confirmation sampling. The estimated volume of material to be remediated is approximately 122 cubic yards.

VARIANCE REQUEST

After characterization of this release, ConocoPhillips proposes to leave impacted soils located near production equipment in place. The release impact is fully delineated, groundwater in this area is deeper than 105 feet bgs, and the release footprint is located in areas immediately under or around above-ground piping, electrical lines and storage tanks where excavation would pose unnecessary safety risks to personnel and equipment and/or additional unwanted impact to the environment.

The impacted area is on a developed pad and does not pose an imminent risk to human health, the environment, or groundwater. On-site reclamation and restoration will occur once the battery is abandoned, and operations have ceased at this active well pad.

CONFIRMATION SAMPLING PLAN

The proposed confirmation sample locations are depicted in Figure 5. Five (5) confirmation floor samples and six (6) confirmation sidewall samples are proposed for verification of remedial activities. The proposed excavation encompasses a surface area of approximately 2,200 square feet.

These confirmation sidewall and floor samples will be representative of no more than approximately 200 square feet of excavated area. Confirmation samples will be sent to an accredited analytical laboratory for analysis of TPH (Method 8015 modified), BTEX (Method 8260B), and chloride (Method SM4500Cl-B). Once results are received, the excavation will then be backfilled with clean material to pre-release surface grade.

CONCLUSION

Remediation activities at the Site are proposed to begin within 120 days of NMOCD plan approval. Upon completion of the proposed work, a final closure report detailing the remediation activities and the results of the confirmation sampling will be submitted to NMOCD.

If you have any questions concerning the soil assessment or the proposed remediation activities for the Site, please call me at (512) 217-7254 or Christian at (512) 338-2861.

Sincerely,
Tetra Tech, Inc.



Ryan C Dickerson
Project Manager



Christian M. Llull, P.G.
Program Manager

cc:
Mr. Sam Widmer, RMR – ConocoPhillips
Ms. Shelly Taylor – Bureau of Land Management

List of Attachments

Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release Extent and Site Assessment
- Figure 4 – Proposed Remediation Extent
- Figure 5 – Alternative Confirmation Sampling Plan

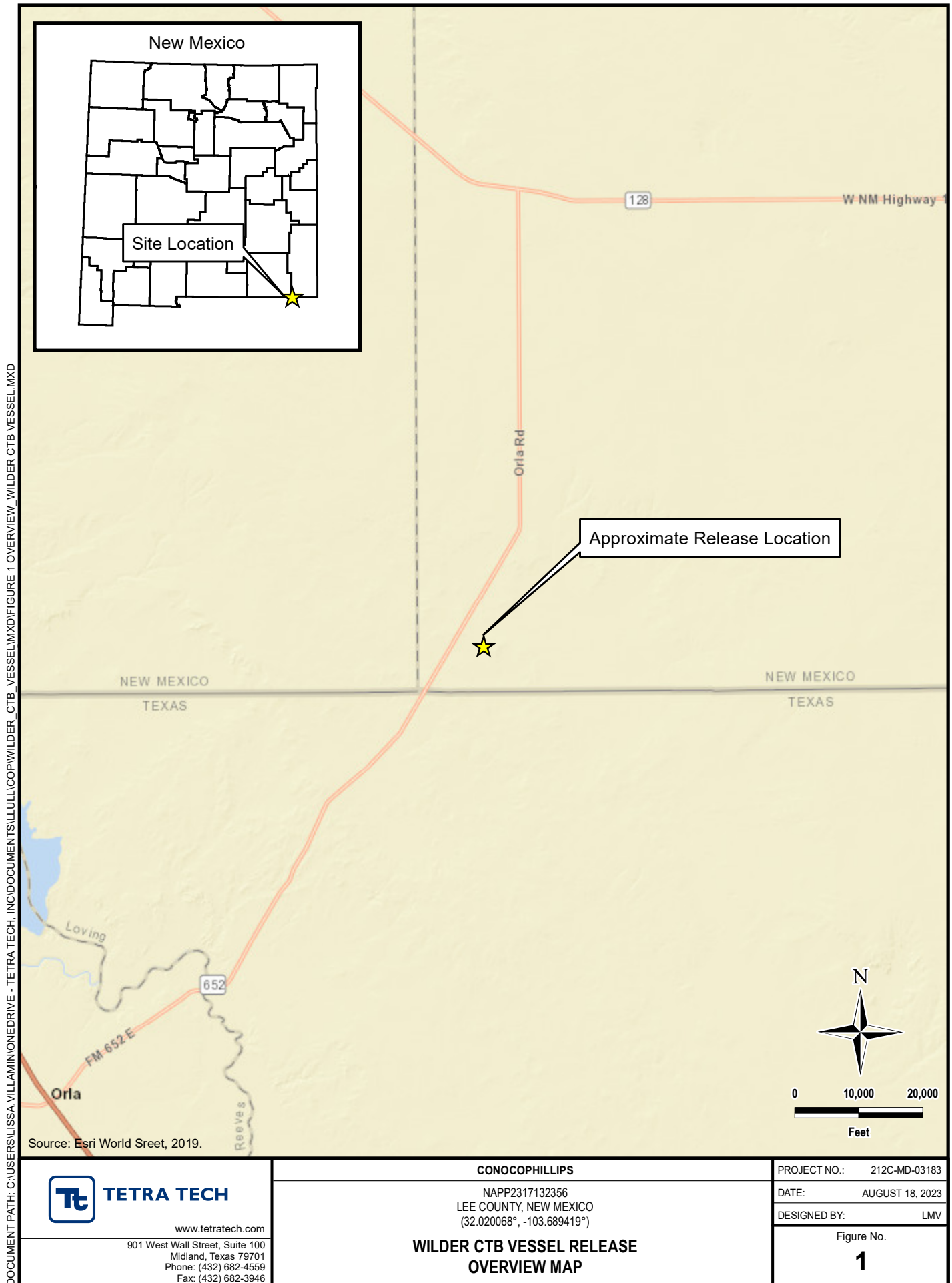
Tables:

- Table 1 – Summary of Analytical Results – Soil Assessment

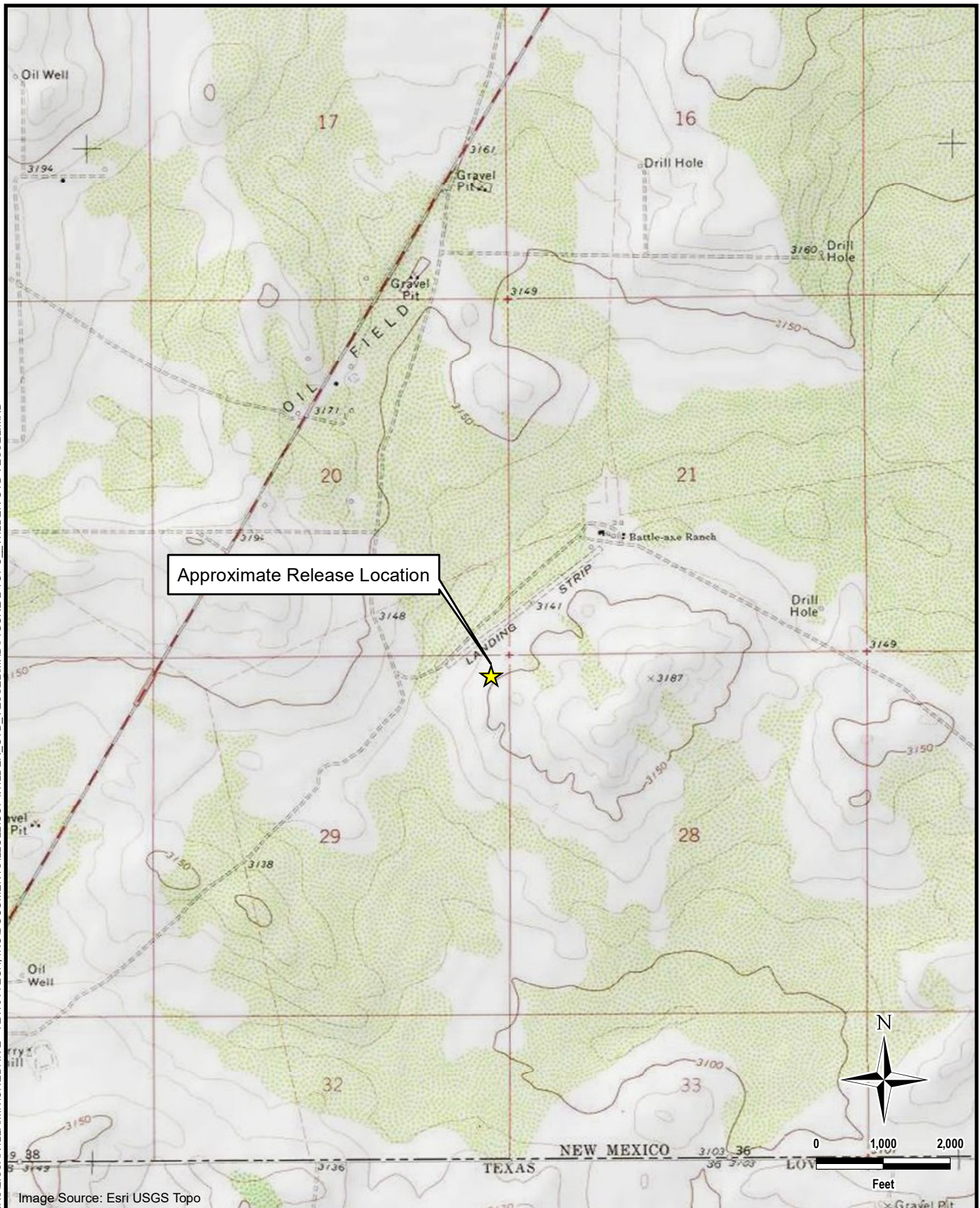
Appendices:

- Appendix A – C-141 Form
- Appendix B – Regulatory Correspondence
- Appendix C – Site Characterization Data
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Analytical Data

FIGURES



DOCUMENT PATH: C:\USERS\ISSA.VILLAMONEDRIVE - TETRA TECH\INC\DOCUMENTS\ILLUSTRATIONS\WILDER_CTB_VESSEL\MXD\FIGURE 2 TOPO_VESSEL\MXD\FIGURE 2 TOPO_VESSEL.MXD

**TETRA TECH**

www.tetrattech.com

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Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

CONOCOPHILLIPS

NAPP2317132356
LEE COUNTY, NEW MEXICO
(32.020068°, -103.689419°)

**WILDER CTB VESSEL RELEASE
TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-03183

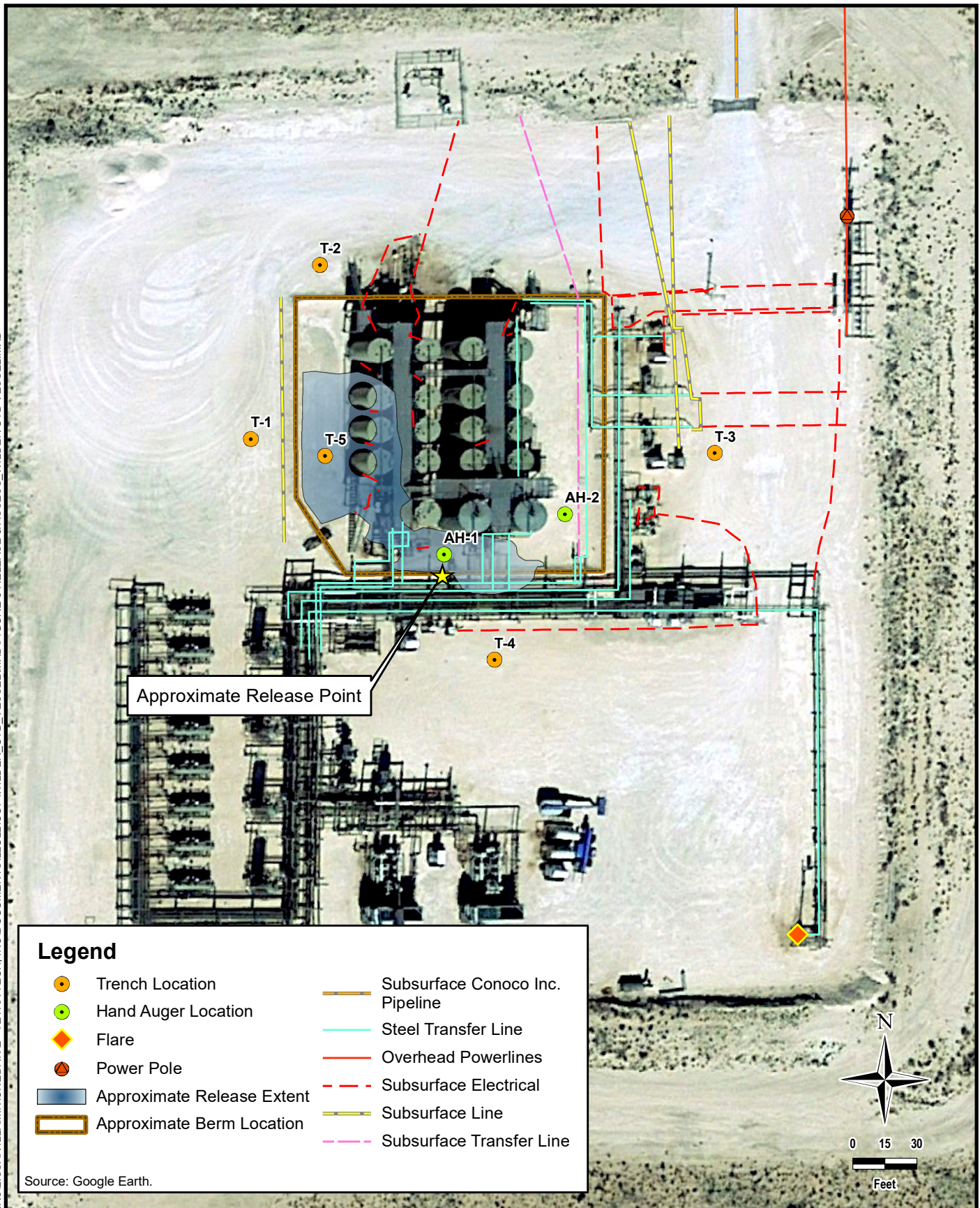
DATE: AUGUST 18, 2023

DESIGNED BY: LMV

Figure No.

2

DOCUMENT PATH: C:\USERS\LISSA.VILLAMONEDRIVE - TETRA TECH\INC\DOCUMENTS\ILLUSTRATIONS\WILDER_CTB_VESSEL\MXD\FIGURE 3 RELEASE & ASSESS_WILDER_CTB_VESSEL.MXD

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CONOCOPHILLIPS

NAPP2317132356
LEE COUNTY, NEW MEXICO
(32.020068°, -103.689419°)

**WILDER CTB VESSEL RELEASE
APPROXIMATE RELEASE EXTENT AND SITE ASSESSMENT**

PROJECT NO.: 212C-MD-03183

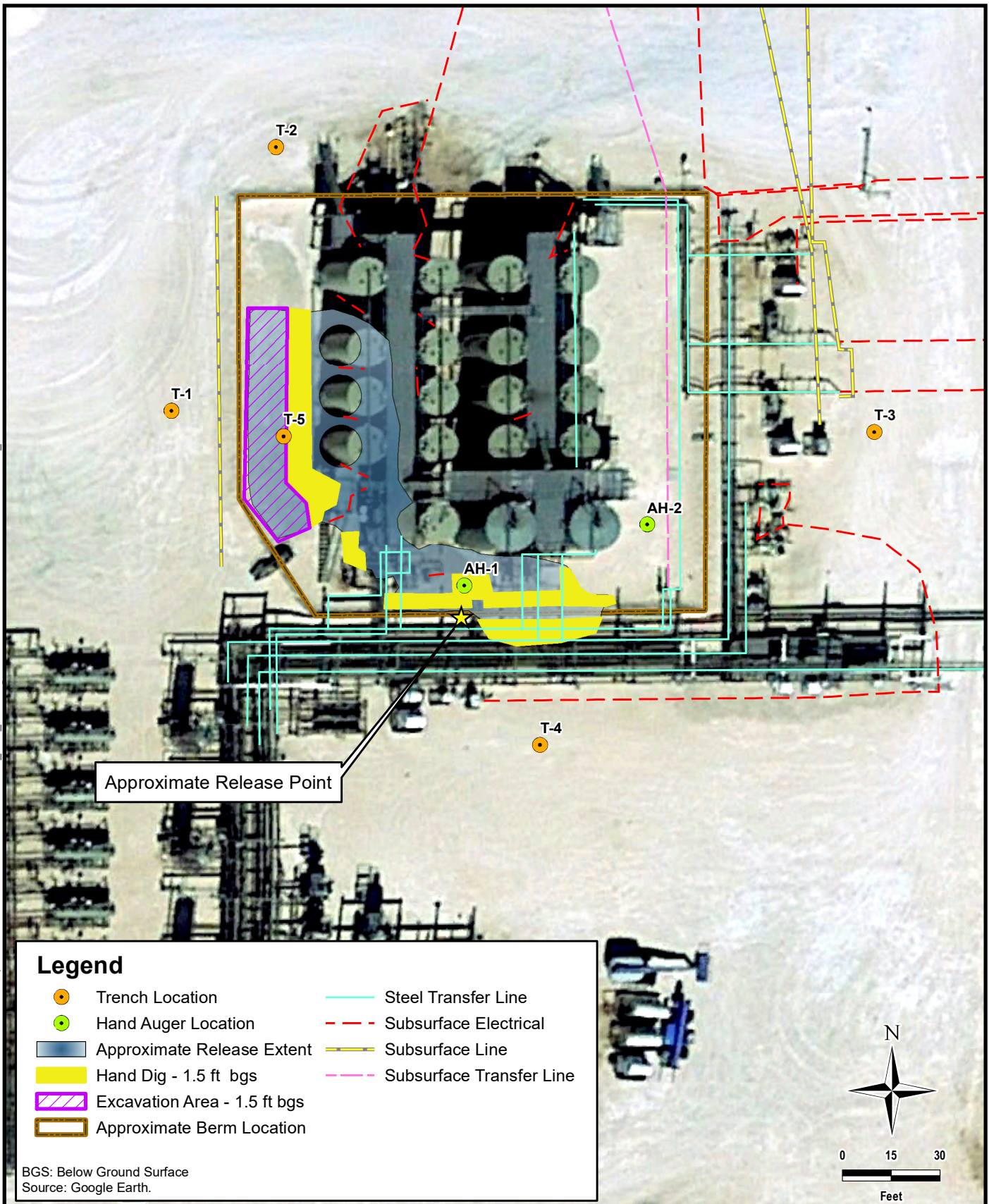
DATE: OCTOBER 11, 2023

DESIGNED BY: LMV

Figure No.

3

DOCUMENT PATH: C:\USERS\LISSA.VILLAMINIONEDRIVE - TETRA TECH\INC\DOCUMENTS\ILLULLICOP\WILDER_CTB_VESSEL\MXD\FIGURE 4 PROPOSED REMEDIATION - WILDER_CTB_VESSEL.MXD

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CONOCOPHILLIPS

NAPP2317132356
LEE COUNTY, NEW MEXICO
(32.020068°, -103.689419°)

**WILDER CTB VESSEL RELEASE
PROPOSED REMEDIATION EXTENT**

PROJECT NO.: 212C-MD-03183

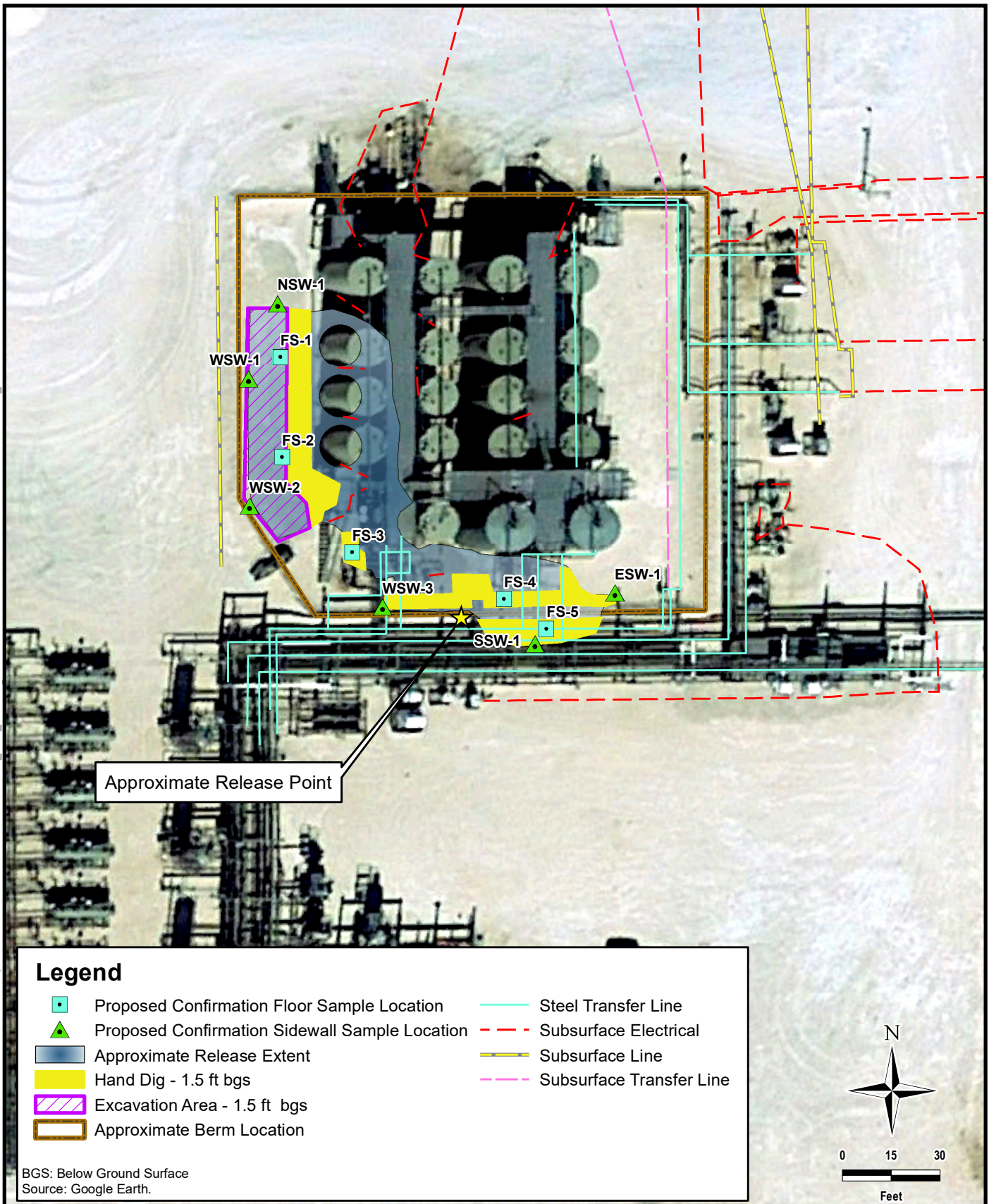
DATE: OCTOBER 11, 2023

DESIGNED BY: LMV

Figure No.

4

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CONOCOPHILLIPS

NAPP2317132356
LEE COUNTY, NEW MEXICO
(32.020068°, -103.689419°)

**WILDER CTB VESSEL RELEASE
PROPOSED REMEDIATION AND ALTERNATIVE CONFIRMATION SAMPLING**

PROJECT NO.: 212C-MD-03183

DATE: OCTOBER 11, 2023

DESIGNED BY: LMV

Figure No.

5

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT- NAPP2317132356
CONOCOPHILLIPS
WILDER FEDERAL CTB VESSEL RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride		BTEx ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEx		Gro		Dro		Ext Dro		Total TPH (Gro+Dro+Ext Dro)	
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C ₆ - C ₁₀	Q	mg/kg	Q	> C ₁₀ - C ₂₈	Q		mg/kg
		Closure Criteria for Soils >4' bgs (GW >100 ft):	20,000 mg/kg		< 10 mg/kg		--		--		--	< 50 mg/kg		--		--		--		--		2500 mg/kg
T-1	9/11/2023	0-1	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		1-2	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
T-2	9/11/2023	0-1	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		1-2	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
T-3	9/11/2023	0-1	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
T-4	9/11/2023	0-1	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		1-2	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
T-5	9/11/2023	0-1	1600		<0.050		<0.050		<0.050	GC-NC	<0.150		<0.300		11.4		1780	QM-07	392		2183.4	
		2-3	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		16.9		<10.0		16.9	
		4-5	704		<0.050		<0.050	QR-03	<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		6-7	672		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		9-10	544		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		10-11	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
AH-1	9/12/2023	0-1	2800		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		2250		455		2705	
		2-3	4320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		16.9		<10.0		16.9	
		3-4	2480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
AH-2	9/12/2023	0-1	400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		833		205		1038	
		1-2	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		21.4		<10.0		21.4	

NOTES:

ft. Feet
bgs Below ground surface
mg/kg Milligrams per kilogram
TPH Total Petroleum Hydrocarbons
GRO Gasoline range organics
DRO Diesel range organics
1 Method SM4500Cl-B
2 Method 8021B
3 Method 8015M

Bold and italicized values indicate exceedance of proposed RRALS.

Shaded rows indicate intervals proposed for excavation.

QUALIFIERS:

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
GC-NC Its were not supported by GC/MS analysis and are reported as ND.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

APPENDIX A C-141 Forms

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2317132356
District RP	
Facility ID	fAPP2129429037
Application ID	

Release Notification

Responsible Party

Responsible Party	ConocoPhillips Company	OGRID	217817
Contact Name	Jacob Laird	Contact Telephone	(575) 703-5482
Contact email	Jacob.Laird@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2317132356
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.0200 Longitude -103.6894
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Wilder Federal CTB	Site Type	Tank Battery
Date Release Discovered	June 11, 2023	API# (if applicable)	

Unit Letter	Section	Township	Range	County
A	29	26S	32E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 19.22	Volume Recovered (bbls) 15
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was caused by a weld failure on the gas buster due to equipment failure.
This release was within an unlined berm on the pad.
Evaluation will be made of the site to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.

Incident ID	NAPP2317132356
District RP	
Facility ID	fAPP2129429037
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name Brittany N. Esparza Signature:  email: Brittany.Esparza@ConocoPhillips.com	Title: Environmental Technician Date: 6/20/2023 Telephone: (432) 221-0398
<u>OCD Only</u> Received by: <u>Shelly Wells</u> Date: <u>6/21/2023</u>	

Facility Name & Well Number(s):				Wilder Federal CTB			Release Discovery Date & Time:		6/11/23 10:30am	
Provide any known details about the event:				spill accured due to separation of line from gas boot on gun barrel			Primary Cause (dropdown):	Vibration	Secondary Cause (dropdown):	
				Recovered Volume (bbl.) (if available, not included in volume calculations)	Method of Determination (dropdown)	Release Type (dropdown):	> 1/2" of Rain in Last 24 Hours (dropdown):		% Rainwater Recovered (not included in volume calculations, informational):	
BU:	Permian	Asset Area:	DBE - Asset Avg.	15	Known volume from geometry	Produced Water	No		0%	
Known Volume (dropdown):				No						
Known Area (dropdown):				Yes	Mapped Area (sq. ft.)	Average Depth (in.)	On/Off Pad	Soil Spilled-Fluid Saturation	Total Estimated Volume of Spill (bbl.)	
					4114	3	On-Pad	10.50%	19.2227	

Incident ID	NAPP2317132356
District RP	
Facility ID	FAPP2129429037
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>180</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

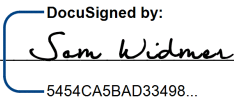
- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Oil Conservation Division

Incident ID	NAPP2317132356
District RP	
Facility ID	FAPP2129429037
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Sam widmer Title: Principal Program Manager
Signature:  Date: Oct-11-2023
email: 5454CA5BAD33498... Telephone: 281-206-5298
Sam.widmer@conocophillips.com

OCD Only

Received by: Shelly Wells Date: 10/12/2023

Incident ID	NAPP2317132356
District RP	
Facility ID	FAPP2129429037
Application ID	

Remediation Plan

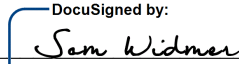
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Sam widmer Title: Principal Program Manager
Signature:  Date: Oct-11-2023
email: Sam.widmer@conocophillips.com Telephone: 281-206-5298

OCD Only

Received by: Shelly Wells Date: 10/12/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature:  Date: 01/31/2024

Remediation plan is approved as written and with the following conditions;

1. ConocoPhillips has until April 30, 2024 to submit to OCD its appropriate or final remediation closure report.

APPENDIX B

Regulatory Correspondence

Dickerson, Ryan

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Friday, September 8, 2023 8:25 AM
To: Dickerson, Ryan
Cc: Bratcher, Michael, EMNRD
Subject: Extension Request - Incident ID NAPP2317132356

You don't often get email from nelson.velez@emnrd.nm.gov. [Learn why this is important](#)

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. **⚠**

Good morning Ryan,

Your 90-day time extension request is approved. Remediation Due date has been updated to December 8, 2023.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

**previous email submittal:**

From: Dickerson, Ryan <Ryan.Dickerson@tetrattech.com>
Sent: Thursday, September 7, 2023 12:54 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Subject: [EXTERNAL] Extension Request - Incident ID NAPP2317132356

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Ms. Wells:

On behalf of ConocoPhillips, Tetra Tech is requesting an additional 90-day extension (until November 7, 2023) to complete assessment activities in and around the tank battery facility and the ensuing remediation work plan submittal for the Wilder CTB Vessel Release site (**NAPP2317132356**).

Justification for this request is described below.

The release occurred on June 11, 2023. The initial C-141 for this release was received by NMOCD on June 21, 2023. Based on photographic documentation of the release immediately following the incident, the release occurred within the southwestern portion of the tank battery. Photographs collected at the facility in July 2023 show multiple surface and subsurface utilities within the tank battery and release area.

Additionally, collection of soil samples will require heavy equipment due to the lithified soils in the subsurface. Based on the location of the release area, proximity to oil and gas equipment and site utilities, additional coordination is required to ensure heavy equipment can safely access the release area.

ConocoPhillips plans to conduct the soil assessment activities at the site in the coming months, and once the sampling data is collected, tabulated, and evaluated, a remediation work plan will be submitted to the OCD.

Please let me know if you have any questions or concerns.

Ryan

Ryan Dickerson | Project Geologist
Cell +1 (512) 217-7254 | ryan.dickerson@tetrattech.com

Tetra Tech | *Leading with Science*® | OGA
8911 N. Capital of TX Hwy. | Bldg. 2, Ste 2310 | Austin, TX 78759 | tetrattech.com

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APPENDIX C

Site Characterization Data



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03537 POD1	CUB	LE		3	2	3	21	26S	32E	624250	3543985	748	850		
C 02271 POD2	CUB	LE		3	2	3	21	26S	32E	624348	3544010*	831	270	250	20
C 02323	C	LE		3	2	3	21	26S	32E	624348	3544010*	831	405	405	0
C 03595 POD1	CUB	LE		4	2	3	21	26S	32E	624423	3544045	909	280	180	100

Average Depth to Water: **278 feet**

Minimum Depth: **180 feet**

Maximum Depth: **405 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 623776.59

Northing (Y): 3543406.25

Radius: 950

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

8/23/22 2:50 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

OCD Land Ownership



9/25/2023, 9:59:11 AM

Mineral Ownership

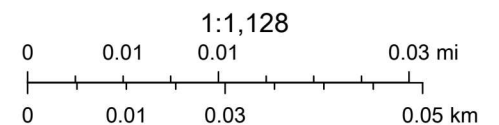


A-All minerals are owned by U.S.

Land Ownership

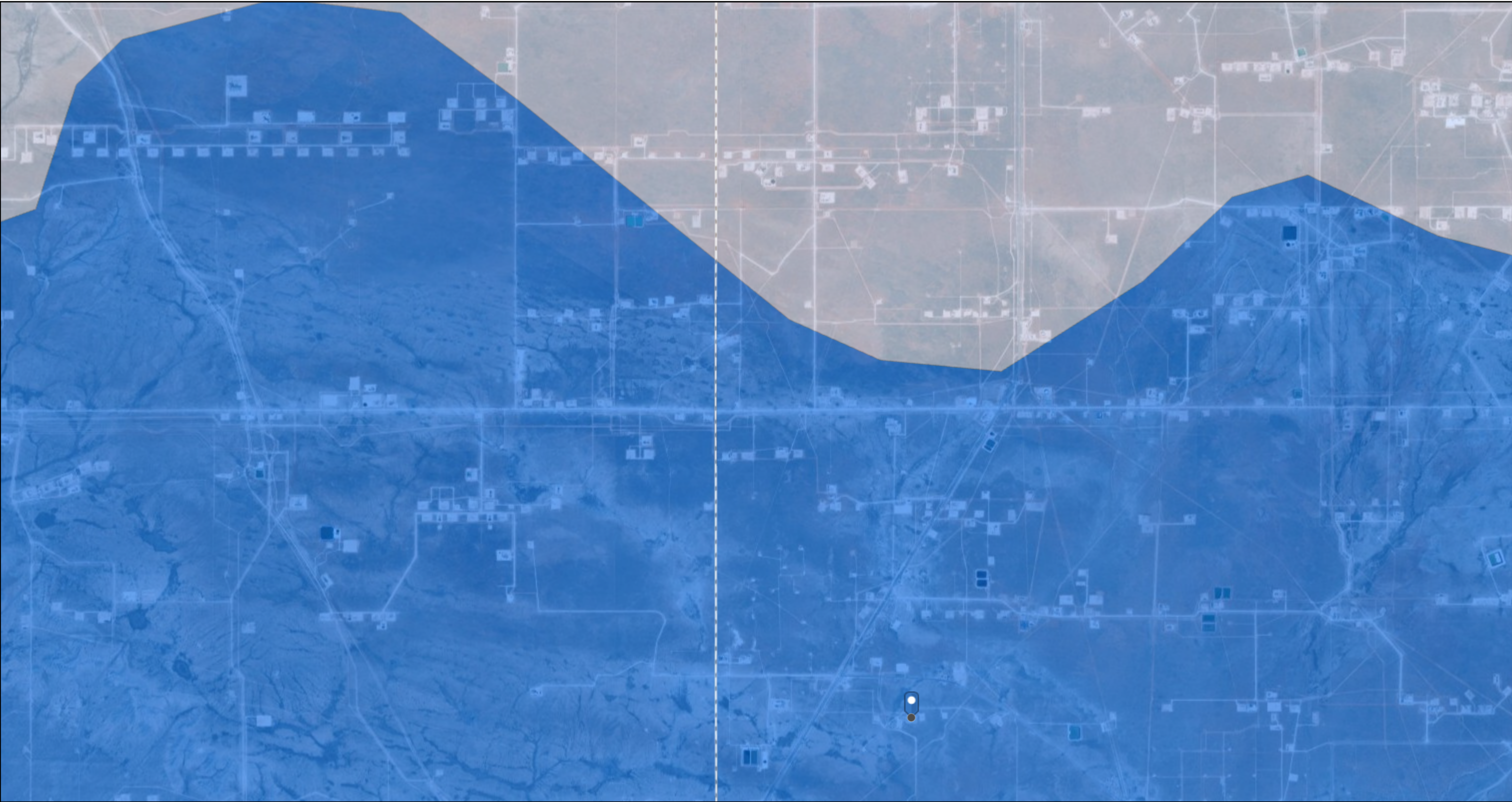


BLM



U.S. BLM, Maxar, Microsoft, Esri, HERE, Garmin, iPC

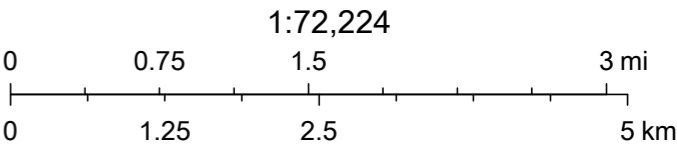
OCD Karst Areas



8/10/2023, 5:32:42 PM

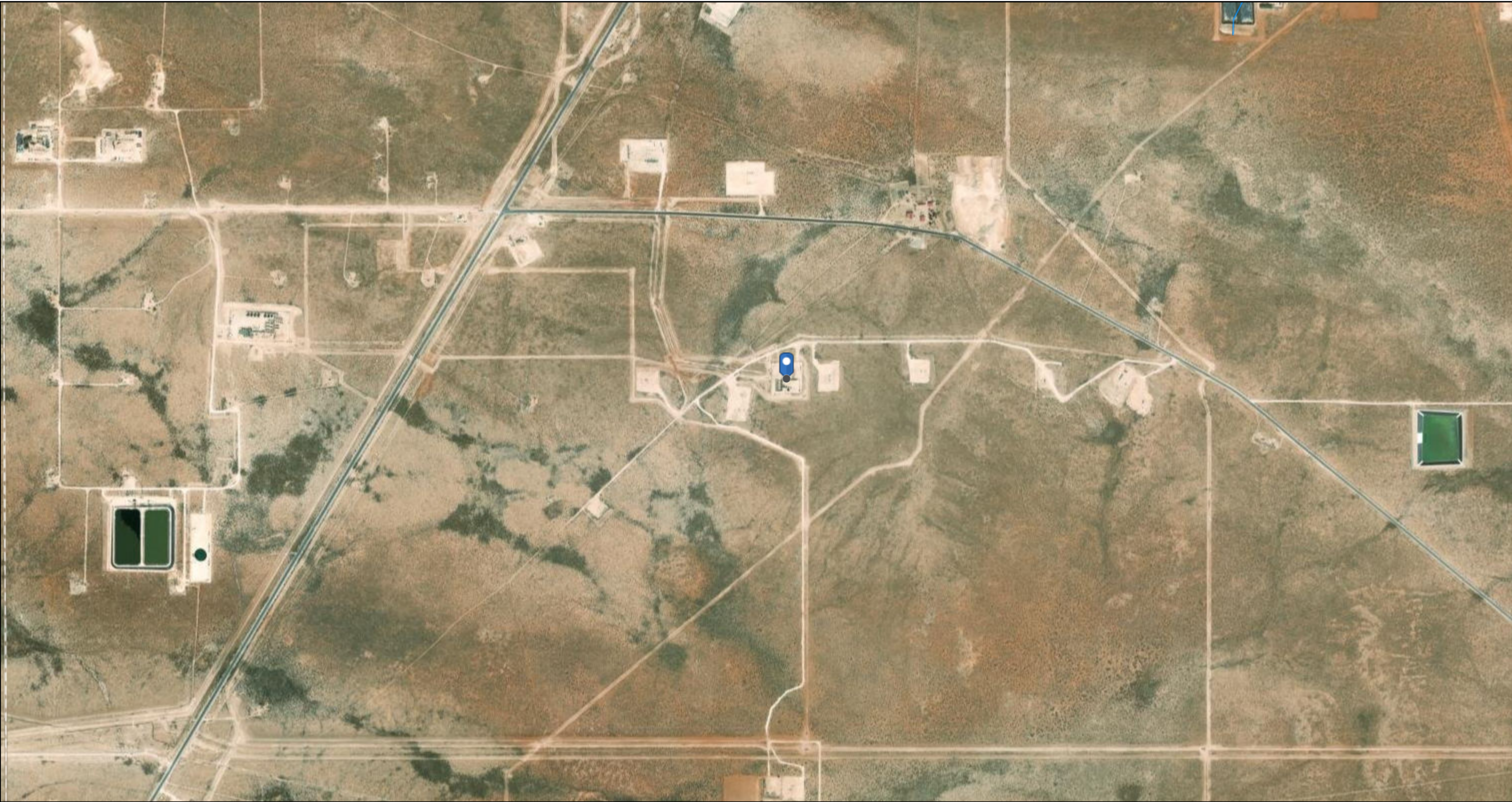
Karst Occurrence Potential

- Medium
- Low



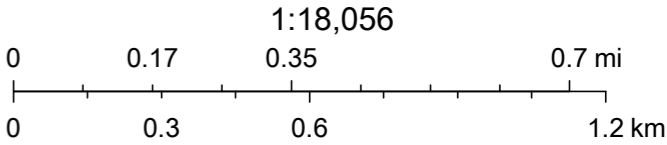
BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, Earthstar Geographics

OCD Water Bodies



8/10/2023, 4:39:28 PM

— OSE Streams

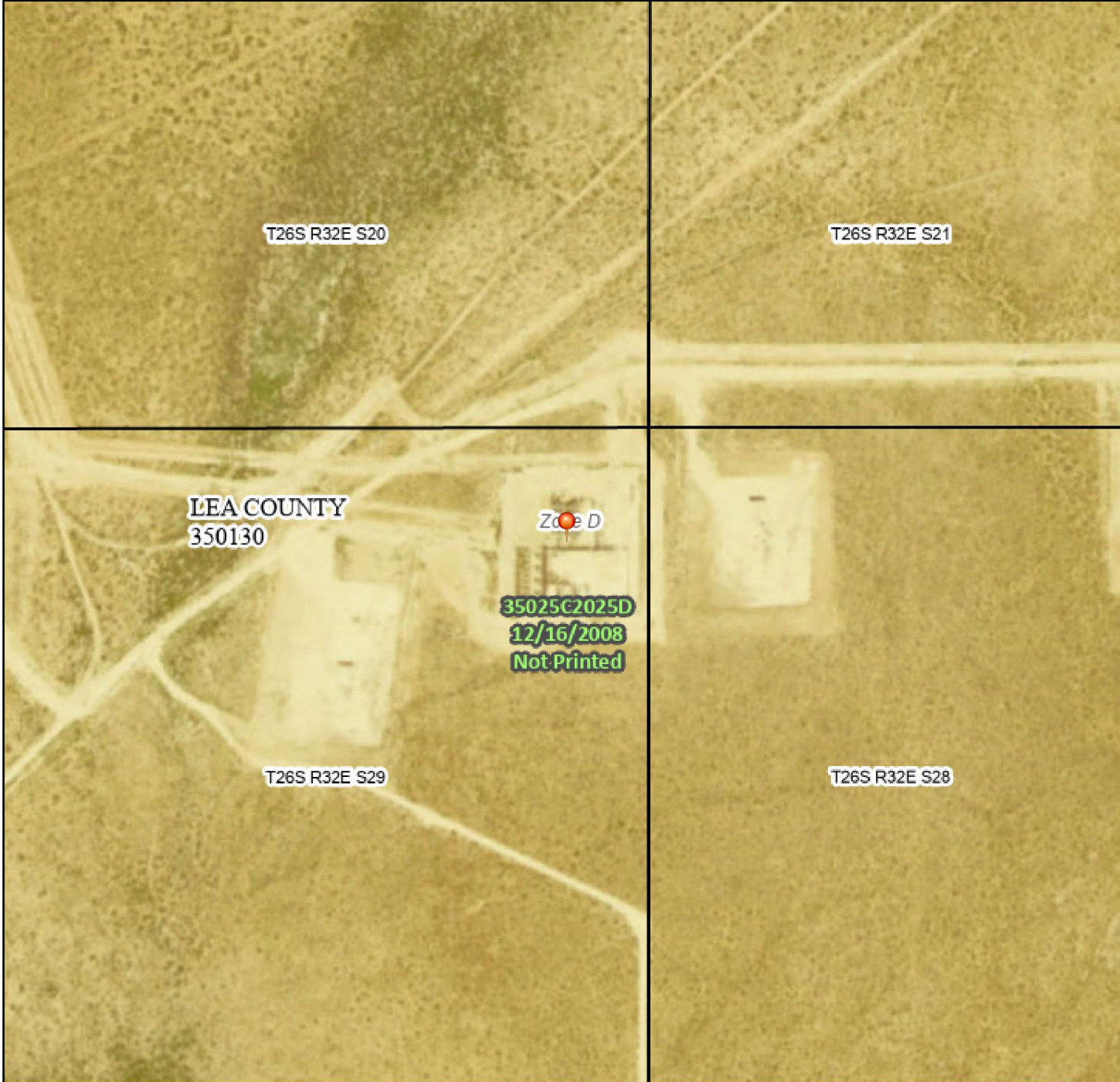


OCD, Esri, HERE, Garmin, iPC, Maxar, NM OSE

National Flood Hazard Layer FIRMette



103°41'41"W 32°1'27"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°41'3"W 32°0'57"N

Released to Imaging: 1/31/2024 1:22:26 PM

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/25/2023 at 10:50 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmapped areas cannot be used for regulatory purposes.

APPENDIX D

Photographic Documentation



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View unknown. Failed weld at release location.	1
	SITE NAME	WILDER CTB Vessel Release	6/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View north. Southeastern portion of release footprint.	2
	SITE NAME	WILDER CTB Vessel Release	6/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View north. Southern portion of release footprint.	3
	SITE NAME	WILDER CTB Vessel Release	6/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View east. Southern portion of release footprint. Fluid visible south of berm.	4
	SITE NAME	WILDER CTB Vessel Release	6/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View north. Western portion of release footprint.	5
	SITE NAME	WILDER CTB Vessel Release	6/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View west. Southern portion of release footprint.	6
	SITE NAME	WILDER CTB Vessel Release	7/27/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View east-southeast. Visible discoloration south of southern berm.	7
	SITE NAME	WILDER CTB Vessel Release	7/27/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View northeast. Subsurface electrical line markings within southern portion of release area.	8
	SITE NAME	WILDER CTB Vessel Release	7/27/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View east. Visible discoloration and subsurface electrical line markings within the southwestern portion of release area.	9
	SITE NAME	WILDER CTB Vessel Release	7/27/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View south, berm along right side of photo, visible discoloration on pad surface inside berm.	10
	SITE NAME	WILDER CTB Vessel Release	7/27/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View south. Area east of western-most tanks. Unrelated soil staining in the foreground. Visible discoloration of pad materials from release in background.	11
	SITE NAME	WILDER CTB Vessel Release	7/27/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View southeast. Visible staining below electrical and facility lines within the tank battery.	12
	SITE NAME	WILDER CTB Vessel Release	7/27/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View south-southeast. Facility lines and subsurface electrical line markings in northwestern portion of the tank battery.	13
	SITE NAME	WILDER CTB Vessel Release	7/27/2023

APPENDIX E

Laboratory Analytical Data



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 15, 2023

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER CTB VESSEL RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/12/23 12:43.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/11/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: T - 1 (0-1') (H234922-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2023	ND	1.91	95.6	2.00	2.45	
Toluene*	<0.050	0.050	09/12/2023	ND	1.96	98.1	2.00	1.70	
Ethylbenzene*	<0.050	0.050	09/12/2023	ND	1.99	99.3	2.00	2.88	
Total Xylenes*	<0.150	0.150	09/12/2023	ND	5.86	97.7	6.00	2.99	
Total BTEX	<0.300	0.300	09/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	191	95.5	200	3.61	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	202	101	200	1.82	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/11/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: T - 1 (1'-2') (H234922-02)

BTEx 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2023	ND	1.91	95.6	2.00	2.45		
Toluene*	<0.050	0.050	09/12/2023	ND	1.96	98.1	2.00	1.70		
Ethylbenzene*	<0.050	0.050	09/12/2023	ND	1.99	99.3	2.00	2.88		
Total Xylenes*	<0.150	0.150	09/12/2023	ND	5.86	97.7	6.00	2.99		
Total BTEX	<0.300	0.300	09/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/13/2023	ND	416	104	400	3.77		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	191	95.5	200	3.61		
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	202	101	200	1.82		
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND						

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/11/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: T - 2 (0-1') (H234922-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2023	ND	1.91	95.6	2.00	2.45		
Toluene*	<0.050	0.050	09/12/2023	ND	1.96	98.1	2.00	1.70		
Ethylbenzene*	<0.050	0.050	09/12/2023	ND	1.99	99.3	2.00	2.88		
Total Xylenes*	<0.150	0.150	09/12/2023	ND	5.86	97.7	6.00	2.99		
Total BTEX	<0.300	0.300	09/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	09/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	191	95.5	200	3.61	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	202	101	200	1.82	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/11/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: T - 2 (1'-2') (H234922-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2023	ND	1.91	95.6	2.00	2.45		
Toluene*	<0.050	0.050	09/12/2023	ND	1.96	98.1	2.00	1.70		
Ethylbenzene*	<0.050	0.050	09/12/2023	ND	1.99	99.3	2.00	2.88		
Total Xylenes*	<0.150	0.150	09/12/2023	ND	5.86	97.7	6.00	2.99		
Total BTEX	<0.300	0.300	09/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	09/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/12/2023	ND	191	95.5	200	3.61	
DRO >C10-C28*	<10.0	10.0	09/12/2023	ND	202	101	200	1.82	
EXT DRO >C28-C36	<10.0	10.0	09/12/2023	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/11/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: T - 4 (0-1') (H234922-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2023	ND	1.91	95.6	2.00	2.45		
Toluene*	<0.050	0.050	09/12/2023	ND	1.96	98.1	2.00	1.70		
Ethylbenzene*	<0.050	0.050	09/12/2023	ND	1.99	99.3	2.00	2.88		
Total Xylenes*	<0.150	0.150	09/12/2023	ND	5.86	97.7	6.00	2.99		
Total BTEX	<0.300	0.300	09/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	09/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	191	95.5	200	3.61	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	202	101	200	1.82	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/11/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: T - 4 (1'-2') (H234922-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2023	ND	1.91	95.6	2.00	2.45		
Toluene*	<0.050	0.050	09/12/2023	ND	1.96	98.1	2.00	1.70		
Ethylbenzene*	<0.050	0.050	09/12/2023	ND	1.99	99.3	2.00	2.88		
Total Xylenes*	<0.150	0.150	09/12/2023	ND	5.86	97.7	6.00	2.99		
Total BTEX	<0.300	0.300	09/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	09/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	191	95.5	200	3.61	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	202	101	200	1.82	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/11/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: T - 5 (0-1') (H234922-09)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2023	ND	1.91	95.6	2.00	2.45	
Toluene*	<0.050	0.050	09/12/2023	ND	1.96	98.1	2.00	1.70	
Ethylbenzene*	<0.050	0.050	09/12/2023	ND	1.99	99.3	2.00	2.88	GC-NC
Total Xylenes*	<0.150	0.150	09/12/2023	ND	5.86	97.7	6.00	2.99	
Total BTEx	<0.300	0.300	09/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 178 % 71.5-134

Chloride, SM4500CI-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	09/13/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.4	10.0	09/13/2023	ND	191	95.5	200	3.61	
DRO >C10-C28*	1780	10.0	09/13/2023	ND	202	101	200	1.82	QM-07
EXT DRO >C28-C36	392	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 74.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/11/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: T - 5 (2'-3') (H234922-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2023	ND	1.91	95.6	2.00	2.45		
Toluene*	<0.050	0.050	09/12/2023	ND	1.96	98.1	2.00	1.70		
Ethylbenzene*	<0.050	0.050	09/12/2023	ND	1.99	99.3	2.00	2.88		
Total Xylenes*	<0.150	0.150	09/12/2023	ND	5.86	97.7	6.00	2.99		
Total BTEX	<0.300	0.300	09/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	09/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.6	200	3.33	
DRO >C10-C28*	16.9	10.0	09/13/2023	ND	203	101	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/11/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: T - 5 (4'-5') (H234922-11)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.99	99.6	2.00	1.68	QR-03
Toluene*	<0.050	0.050	09/13/2023	ND	2.01	101	2.00	3.53	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.12	106	2.00	1.77	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.37	106	6.00	2.15	
Total BTEx	<0.300	0.300	09/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	09/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.6	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	203	101	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/11/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: T - 5 (6'-7') (H234922-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/13/2023	ND	1.99	99.6	2.00	1.68		
Toluene*	<0.050	0.050	09/13/2023	ND	2.01	101	2.00	3.53		
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.12	106	2.00	1.77		
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.37	106	6.00	2.15		
Total BTEx	<0.300	0.300	09/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	09/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.6	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	203	101	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/11/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: T - 5 (9'-10') (H234922-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/13/2023	ND	1.99	99.6	2.00	1.68		
Toluene*	<0.050	0.050	09/13/2023	ND	2.01	101	2.00	3.53		
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.12	106	2.00	1.77		
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.37	106	6.00	2.15		
Total BTEx	<0.300	0.300	09/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	09/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.6	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	203	101	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/11/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: T - 5 (10'-11') (H234922-14)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2023	ND	1.99	99.6	2.00	1.68	
Toluene*	<0.050	0.050	09/13/2023	ND	2.01	101	2.00	3.53	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.12	106	2.00	1.77	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.37	106	6.00	2.15	
Total BTX	<0.300	0.300	09/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	09/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.6	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	203	101	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: AH - 1 (0-1') (H234922-15)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/13/2023	ND	1.99	99.6	2.00	1.68		
Toluene*	<0.050	0.050	09/13/2023	ND	2.01	101	2.00	3.53		
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.12	106	2.00	1.77		
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.37	106	6.00	2.15		
Total BTEx	<0.300	0.300	09/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	09/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.6	200	3.33	
DRO >C10-C28*	2250	10.0	09/13/2023	ND	203	101	200	0.419	
EXT DRO >C28-C36	455	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: AH - 1 (2'-3') (H234922-16)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/13/2023	ND	1.99	99.6	2.00	1.68		
Toluene*	<0.050	0.050	09/13/2023	ND	2.01	101	2.00	3.53		
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.12	106	2.00	1.77		
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.37	106	6.00	2.15		
Total BTEX	<0.300	0.300	09/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	09/13/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	197	98.6	200	3.33	
DRO >C10-C28*	16.9	10.0	09/14/2023	ND	203	101	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: AH - 1 (3'-4') (H234922-17)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/13/2023	ND	1.99	99.6	2.00	1.68		
Toluene*	<0.050	0.050	09/13/2023	ND	2.01	101	2.00	3.53		
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.12	106	2.00	1.77		
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.37	106	6.00	2.15		
Total BTX	<0.300	0.300	09/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2480	16.0	09/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.6	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	203	101	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: AH - 2 (0-1') (H234922-18)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/13/2023	ND	1.99	99.6	2.00	1.68		
Toluene*	<0.050	0.050	09/13/2023	ND	2.01	101	2.00	3.53		
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.12	106	2.00	1.77		
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.37	106	6.00	2.15		
Total BTEx	<0.300	0.300	09/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	09/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.6	200	3.33	
DRO >C10-C28*	833	10.0	09/13/2023	ND	203	101	200	0.419	
EXT DRO >C28-C36	205	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	09/12/2023	Sampling Date:	09/12/2023
Reported:	09/15/2023	Sampling Type:	Soil
Project Name:	WILDER CTB VESSEL RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03183	Sample Received By:	Dionica Hinojos
Project Location:	LEA CO NM		

Sample ID: AH - 2 (1'-2') (H234922-19)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/13/2023	ND	1.99	99.6	2.00	1.68		
Toluene*	<0.050	0.050	09/13/2023	ND	2.01	101	2.00	3.53		
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.12	106	2.00	1.77		
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.37	106	6.00	2.15		
Total BTEx	<0.300	0.300	09/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	09/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2023	ND	197	98.6	200	3.33	
DRO >C10-C28*	21.4	10.0	09/13/2023	ND	203	101	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

page 1 of 2

Company Name: <u>Conoco Phillips</u>				BILL TO				ANALYSIS REQUEST													
Project Manager: <u>Christian Lull</u>				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>1500</div> <div>Chlorides 1600 AG</div> <div>TPH</div> <div>Hold</div> </div>													
Address:				Company: <u>Tetra Tech</u>																	
City: State: Zip:				Attn: <u>Christian Lull</u>																	
Phone #: Fax #:				Address:																	
Project #: <u>2120-MD-03183</u> Project Owner:				City:																	
Project Name: <u>Wilder CTB Vessel Release</u>				State: Zip:																	
Project Location: <u>Lea Co, NM</u>				Phone #:																	
Sampler Name: <u>Andrew Garcia</u>				Fax #:																	
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING													
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME							
<u>H234922</u>													2023								
1	T-1 (0-1')	G	1			X				X			09/11	0800	X	X	X				
2	T-1 (1'-2')													0815							
3	T-2 (0-1')													0830							
4	T-2 (1'-2')													0845							
5	T-3 (0-1')													0930				X			
6	T-3 (1'-2')													0945				X			
7	T-4 (0-1')													1015							
8	T-4 (1'-2')													1030							
9	T-5 (0-1')													1100							
10	T-5 (2'-3')													1115							

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Relinquished By: <u>Andrew Garcia</u>		Date: <u>09/12/23</u>	Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Time: <u>12:43</u>	Received By:		All Results are emailed. Please provide Email address: <u>Ryan, Dickerson @ Tetra Tech. com</u>	
Delivered By: (Circle One) <u>Sampler</u> - UPS - Bus - Other:		Date:	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		REMARKS: <u>Christian Lull @ tetratech.com</u> <u>Nicholas Poole @ tetratech.com</u>	
Observed Temp. °C <u>1.30</u>		Time:	CHECKED BY: (Initials) <u>[Signature]</u>		Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/>	
Corrected Temp. °C					Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
					Thermometer ID #140 Correction Factor 0°C	
					Observed Temp. °C Corrected Temp. °C	

FORM-006 R 3.4 07/11/23

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

page 2 of 2

Company Name: Conoco Phillips Project Manager: Christian Linn Address: City: State: Zip: Phone #: Fax #: Project #: 212C-MD-03183 Project Owner: Project Name: Wilder CTB Vessel Release Project Location: Lea Co, NM Sampler Name: Andrew Garcia				BILL TO P.O. #: Company: Tetra Tech Attn: Christian Linn Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST															
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING															
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTX	Chlorides	TPH						
H234922						X					X		2023										
11	T-5 (4'-5')	G	1										09/11	1130	X	X	X						
12	T-5 (6'-7')													1200									
13	T-5 (9'-10')													1230									
14	T-5 (10'-11')													1300									
15	AH-1 (0-1')												09/12	0900									
16	AH-1 (2'-3')													0930									
17	AH-1 (3'-4')													1000									
18	AH-2 (0-1')													1030									
19	AH-2 (1'-2')													1045									

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Relinquished By: Andrew Garcia Date: 09/12/23 Time: 12:43		Received By: [Signature] Date: Time:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Results are emailed. Please provide Email address: Ryan.Dickerson@TetraTech.com	
Relinquished By: [Signature] Date: Time:		Received By: [Signature] Date: Time:		REMARKS: Christian Linn @tetratech.com Nicholas Poole @tetratech.com	
Delivered By: (Circle One) [X] Sampler [] UPS [] Bus [] Other:		Observed Temp. °C 1.30 Corrected Temp. °C		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
Turnaround Time: Standard <input checked="" type="checkbox"/> Rush		Thermometer ID #140 Correction Factor 0°C		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	

FORM-000 R 3.4 07/11/23

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1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 274879

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 274879
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	ConocoPhillips has until April 30, 2024 to submit to OCD its appropriate or final remediation closure report.	1/31/2024